SERVICE HANDBOOK

SR-2020 SR-3030 MC-50 FR-3060
SR-1050 SR-2050 SR-4050

The service handbooks for the column (A) are all applicable to ones in the column (B).

A	SR-2020	SR-3030	SR-1050	SR-2050	SR-4050	FR-3060
B	SR-2020BC	SR-3030BC	SR-1050C SR-1050E SR-1050K	SR-2050C SR-2050E SR-2050K	SR-4050C	

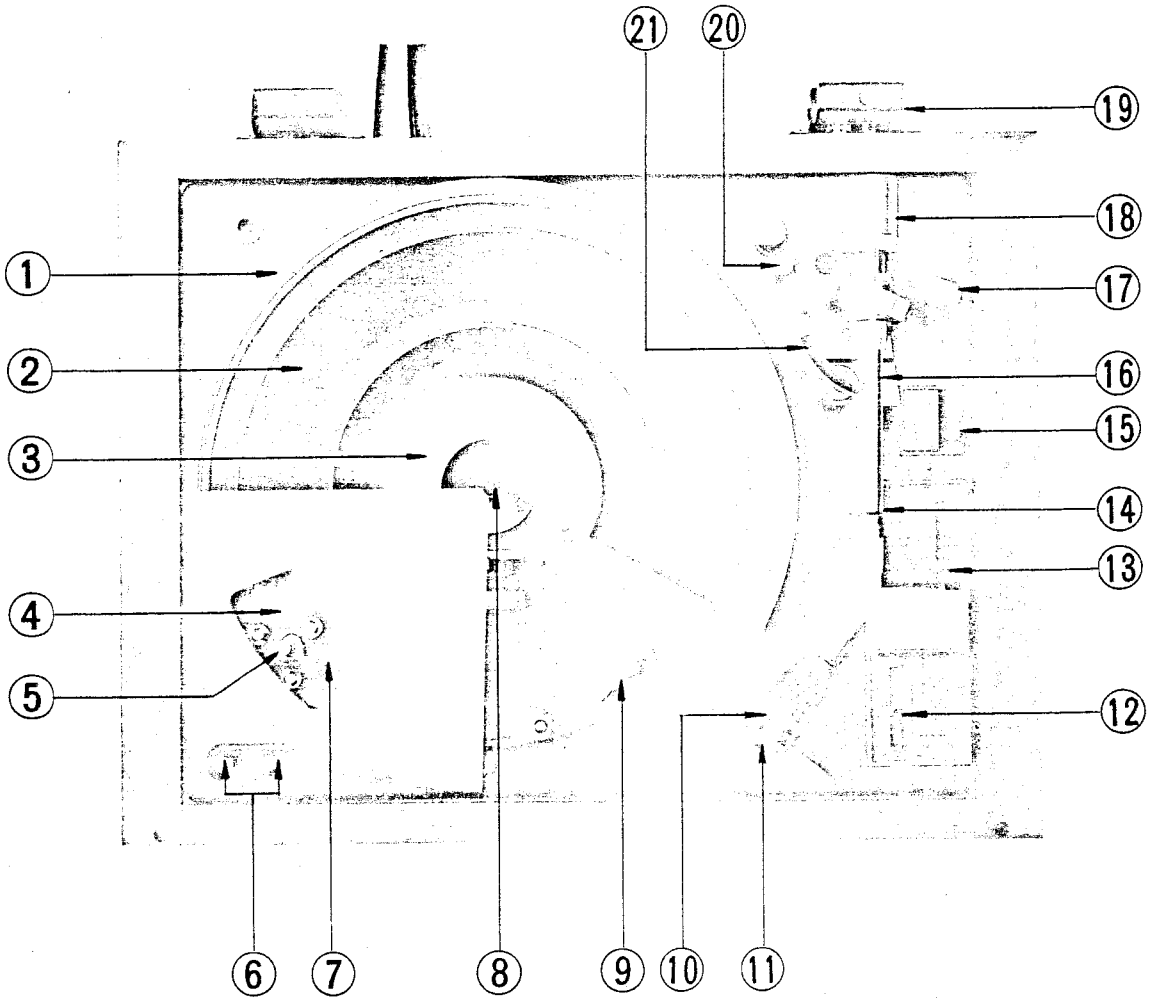
SANSUI ELECTRIC COMPANY LIMITED

1. SPECIFICATION

Type:	Two-speed belt driven automatic turntable
Rated speed:	$33^{1}/_{3}$ rpm, 45 rpm
Turntable:	Aluminum alloy die-cast 300 mm
Tonearm:	Statically-balanced tubular
Motor:	4-pole synchronous
Wow & Flutter:	Less than 0.07 %
S/N ratio:	Better than 47 dB
Stylus pressure:	2 grams
Cartridge:	Induced magnet type (SC-36)
Output voltage:	3.5 mV
Stylus:	0.5 mil diamond (SN-36)
Power source:	120 V or 240 V, 50/60 Hz
Dimensions:	Width 464 mm ($18^{17}/_{64}$") Height 195 mm ($7^{11}/_{16}$") Depth 353 mm ($13^{57}/_{64}$")
Weight:	9.5 kg (20.91 bs)

※ Design and specifications are subject to change without notice for improvements.

2. CONTROLS, INDICATORS AND OTHERS



1	Turntable (Platter)	8	Turntable spindle	15	Manual tonearm lifter
2	Turntable rubber mat	9	Spare capstan	16	Tonearm
3	Turntable ring	10	Shell	17	Lateral weight
4	Belt	11	Cartridge (Stylus)	18	Main weight
5	Capstan	12	Cuing lever	19	Auto hinge
6	Speed selector button	13	Selector lever	20	Bias weight
7	Belt guide	14	Arm rest	21	Arm lifter

3. ADJUSTMENT OF AUTO MECHANISM (See Fig. 3-1, 3-2, 3-3 and 3-4)

1. The adjusting screw "A" in Fig. 3-1 is the one to adjust the position of AUTO-UP (lifting off of the tone arm from the disk automatically). The adjusting screw "B" is the one to adjust the position of AUTO-IN (setting of the tone arm on the disk automatically).

2. To begin with, when the tone arm is located at the position as shown with line in Fig. 3-1, the adjusting screw "A" will appear in the adjusting hole.
   When the screw is turned clockwise, the action of AUTO-RETURN will become sooner. To the contrary, when it is turned counterclockwise, the action of AUTO-RETURN will become later. Make adjustment of the screw in such a way that auto-returning operation is carried out at the middle way of the lead-out groove.

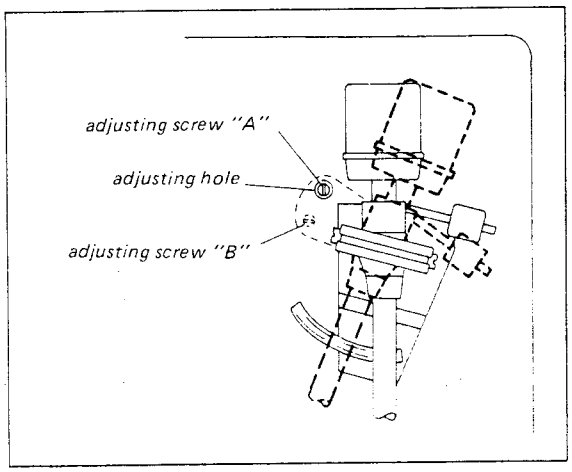


Fig. 3-1

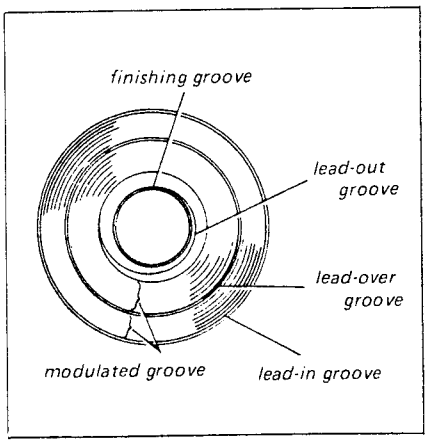


Fig. 3-2

3. When the tone arm is moved to the position shown with dotted line, the adjusting screw "B" will appear from adjusting hole.
   When the screw is turned counterclockwise, the timing of AUTO-IN will become sooner. To the contrary, when it is turned clockwise, the timing of AUTO-IN will become later. Adjust it in such a way that the tip of the stylus will touch the middle way of the lead-in groove.

4. The adjusting screws ①, ② as shown in Fig. 3-3 are the screws to adjust the position of AUTO-IN to the disk sizes of 17 cm, 25 cm individually. Take for instance, in case if the position of AUTO-IN at the time of 17 cm is deviated, even if it is all right in case of AUTO-IN at 30 cm, turn the adjustment screw ② in Fig. 3-3 and adjust it.
   When the timing of AUTO-IN is sooner, turn it counterclockwise.
   To the contrary, if it is later, turn it clockwise and adjust it in such a way that it will touch the central position of the lead-in groove.

5. Carry out the paint locking to the abovementioned screws after adjustment.

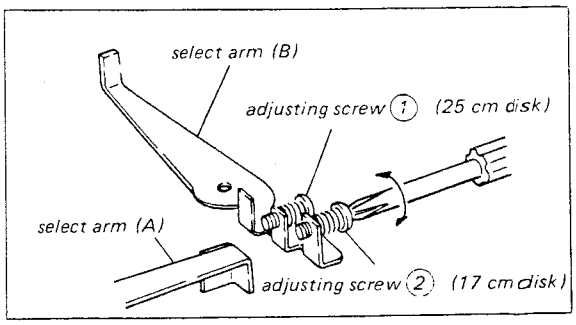


Fig. 3-3

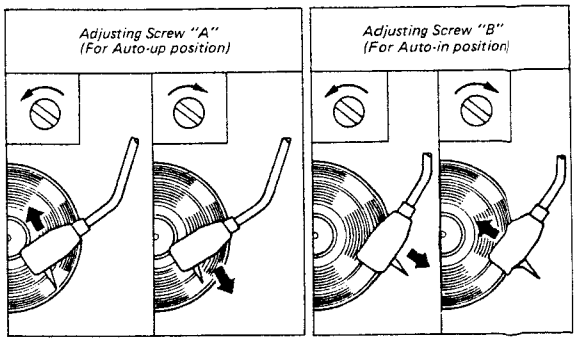


Fig. 3-4

4. OPERATION OF MECHANISM (See Fig. 4-1, 4-2, 4-3, 4-4, 4-5 and 4-6)

4-1. OPERATION OF AUTO MECHANISM

1. At the condition of STOP, the micro switch (SW1) and the start switch (Leaf switch) are OFF, on the other hand the micro switch (SW2) and the muting switch are ON.

2. When the auto lever is placed at START position, the start switch becomes ON and timing motor starts running.
   The timing motor is coupled with starting cam and the starting cam controls the micro switch. When the timing motor starts running, the starting cam starts together and the micro switch (SW1) becomes ON from OFF.
   (Therefore, as for start switch, the switch is turned ON temporarily.)
   Simultaneously with it, the motor will start operating.

3. As the starting plate and starting cam are coupled with crank lever, the starting plate will be operated while the timing motor is being operated. As for the operation of the starting plate and starting cam, as the diameter of starting plate is larger as compared with that of starting cam, the starting plate turns up to a certain angle and then turnes reversely by the same angle while the starting cam turns in one revolution.

4. When the timing motor, starting cam and starting plate are operated, the START/RETURN plate located at tip end of the starting plate will push the PU plate located at the lower part of the tone arm and it will keep pushing the tone arm until it reaches to the position of the lead-in groove of disk.
   When it comes to this position, the select arm (B) (See Fig. 3-3) will serve as stopper and the START/RETURN plate which pushes PU plate so far will be turned over and it does not push the PU plate anymore.
   Then, it is at AUTO-IN position.

5. When the tone arm comes to the AUTO-IN position, the starting cam will have turned in half revolution.
   The micro switch (SW2) which is so far ON will be turned OFF, and the timing motor will stop. Simultaneously with it, the muting switch is turned OFF (cartridge at open condition) from ON (cartridge at shortcircuiting condition), and performance starts as the result.

6. In performance, the micro switch (SW2) is OFF, micro switch (SW1) is ON and muting switch is OFF. When performance proceeds and the tone arm traces up to the lead-out groove, the magnet located at tip end of PU plate comes at side of reed switch and turns on this reed switch. When the reed switch is turned ON, the timing motor will start running and the micro switch (SW2) will be turned ON.

7. When the timing motor starts operation once again, the starting cam will start next half revolution.
   Then, the starting plate revolves contrary to that at the time of AUTO-IN. And, the START/RETURN plate pushes the PU plate from the reverse direction and makes tone arm return. However, when it comes to the position of arm rest, the tone arm is stopped by the stopper located on the arm base and the START/RETURN plate is turned over and the tone arm will land on the arm rest.
   Thus, the starting cam will have turned in one revolution and the micro switch (SW1) will be turned OFF.
   Thus, the motor and timing motor will stop their operation and they will return to the original stop condition.

8. When the auto lever is placed at position of REPEAT, the timing motor starts again because the start switch is ON even if the performance finished and the micro switch (SW1) becomes OFF.
   Accordingly, as the micro switch (SW1) which is turned OFF is turned ON, REPEAT performance will be made.

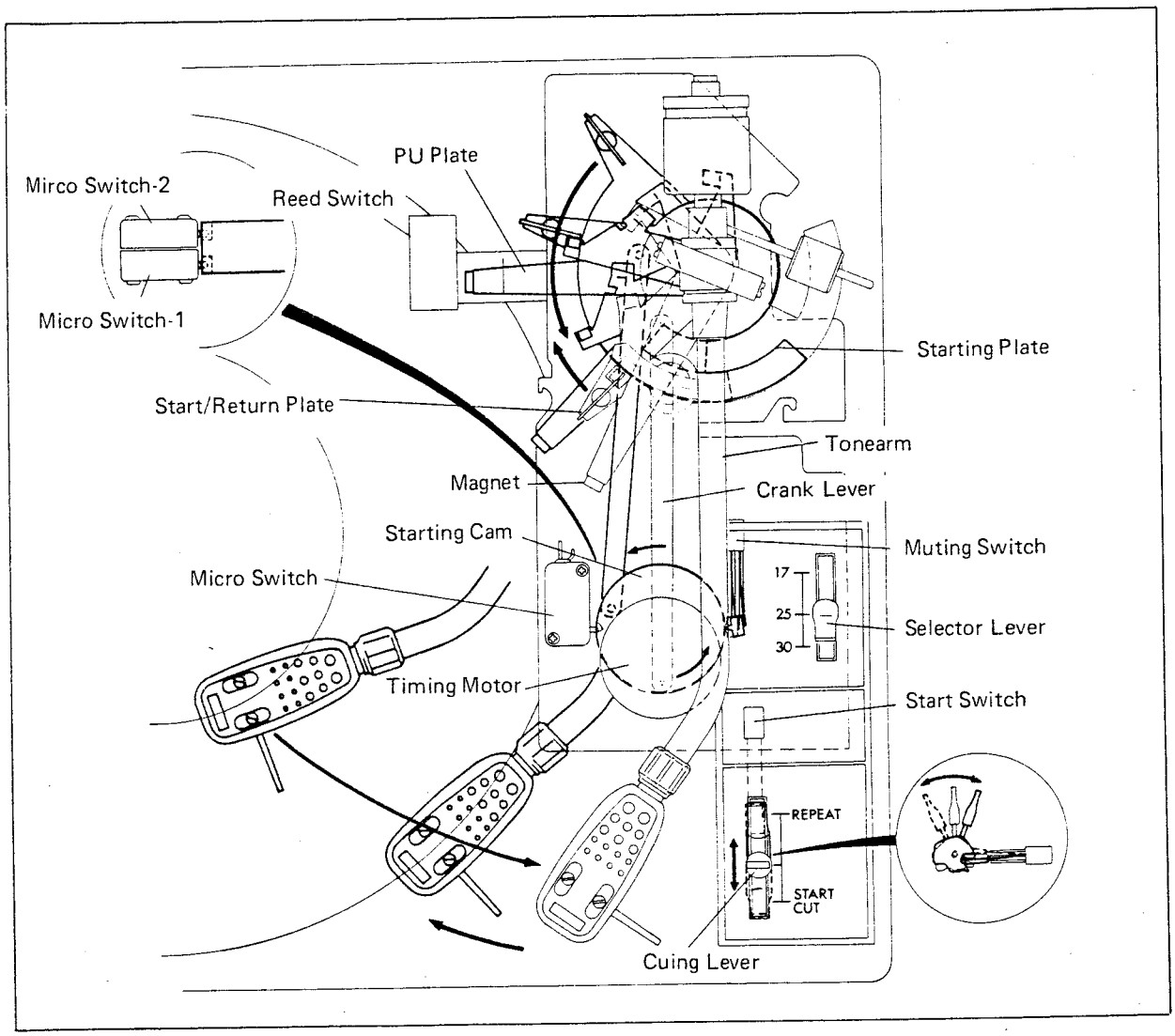
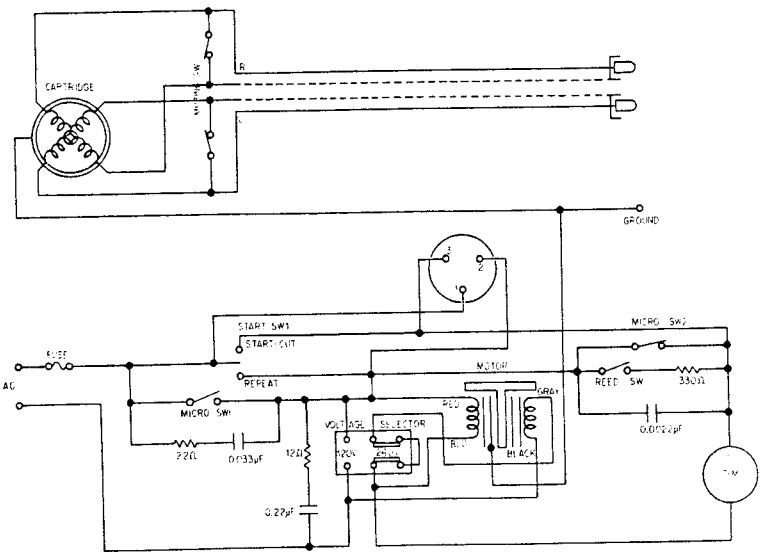


Fig. 4-1

◆ Schematic diagram ◆



4-2. OPERATION OF MANUAL MECHANISM

1. MANUAL OPERATION

1) Operate the turntable by setting the cuing lever to the START · CUT position.

2) Set the MANUAL LIFTER LEVER to the UP position, then set the tonearm to a suitable position picking up from the arm rest.

3) Then set the MANUAL LIFTER LEVER to the DOWN position. The machine begins performance when the stylus reaches on the surface of disk.

4) The tonearm returns automatically by the function of the reed switch when the stylus proceed as far the finishing groove after the end of performance. Therefore the MANUAL operation is made within the lead-in groove to the lead-out groove. If you want to stop in the middle of performance, set the MANUAL LIFTER LEVER to the UP position, then the stylus lifts up from the surface of disk.

2. MANUAL MOVEMENT

1) The MANUAL plate moves as shown in Fig. 4-2, when the tonearm is located at a suitable position.

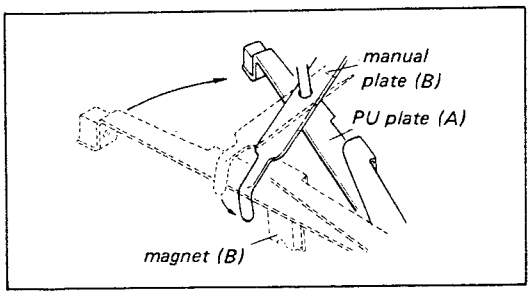


Fig. 4-2

2) Keeping the MANUAL plate on the position, set the cuing lever on the START · CUT position, the START/RETURN plate turns in a quarter revolution.

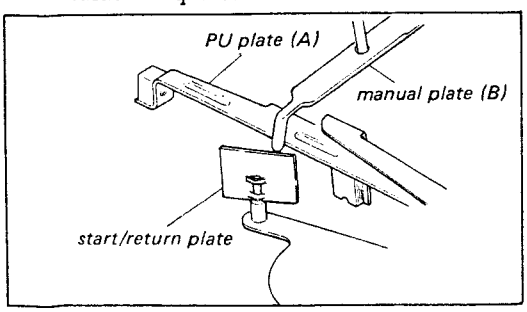


Fig. 4-3

3) As the START/RETURN plate passes by the magnet (B) without touching it, therefore, the manual operation is capable at any position between the lead-in groove and the finishing groove.

3. CAUTION ON REPAIRMENT OF THE MANUAL MECHANISM

1) The MANUAL plate (B) must not get off from the PU plate (A) when the tonearm is pulled in the outmost direction (right side direction).

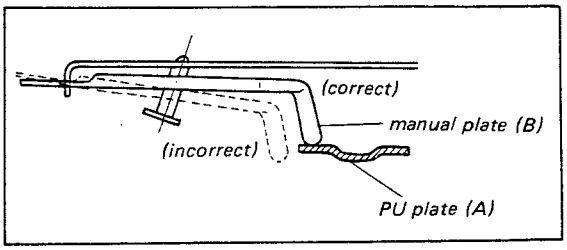


Fig. 4-4

2) The clearance between the MANUAL plate and the START/RETURN plate should be about 2mm when the tonearm moved about 3mm inside (left side) from the arm rest.

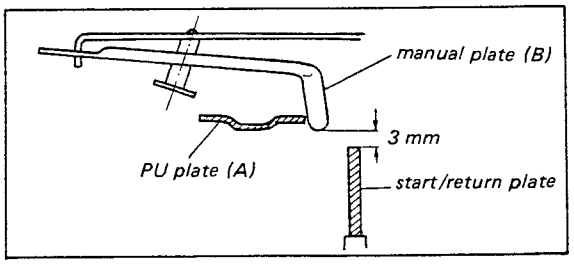


Fig. 4-5

3) The MANUAL plate must touch on the PU plate when the stylus came down on the first point of the modulated groove nearest to the lead-in groove of 30cm disk.

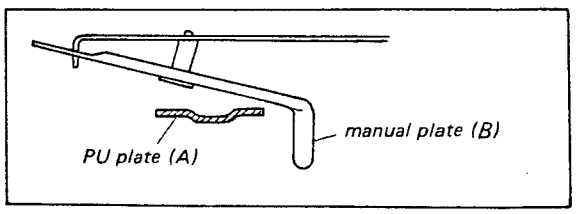
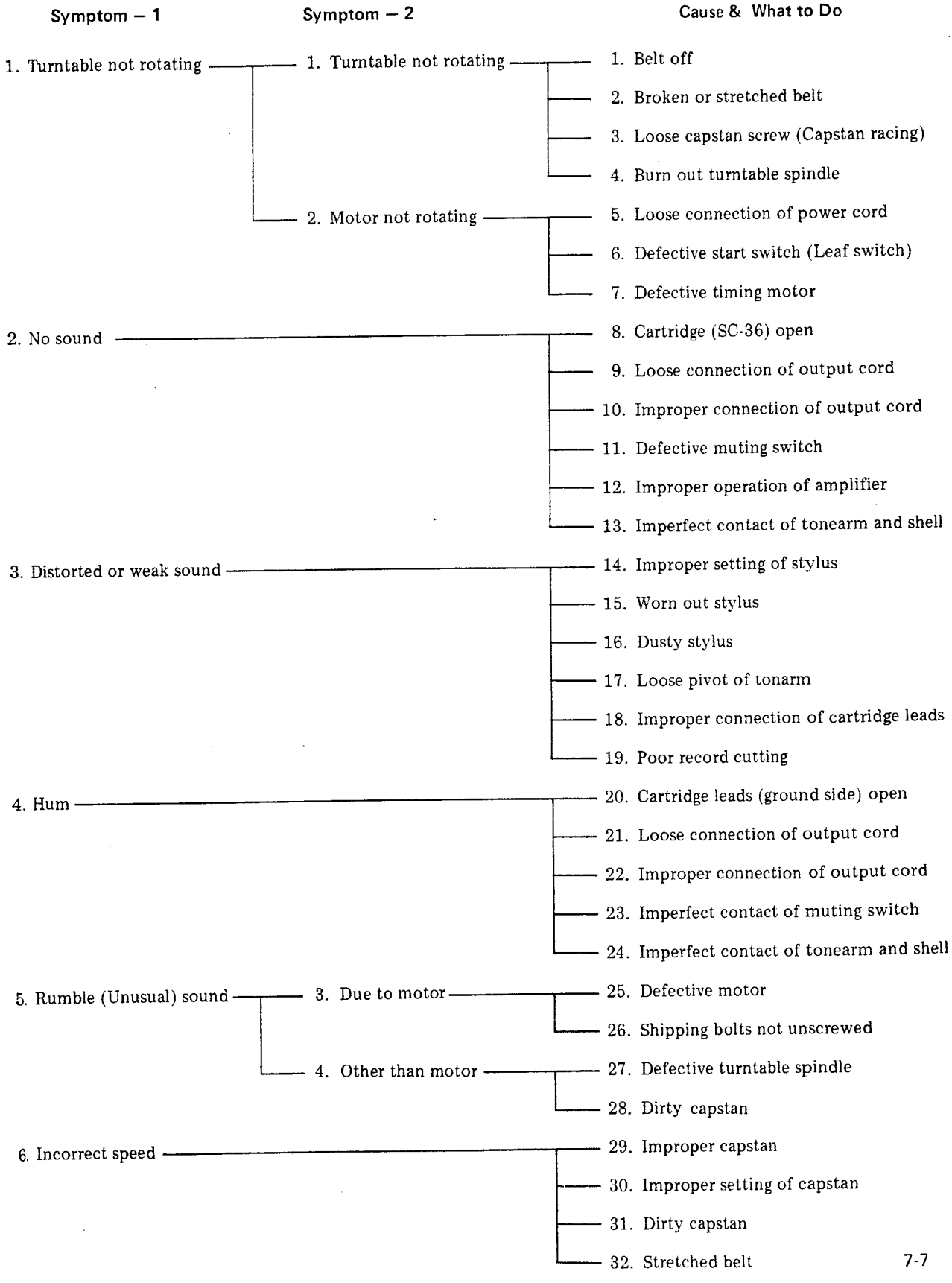
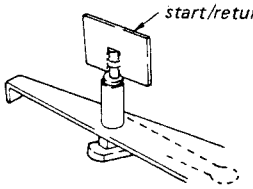


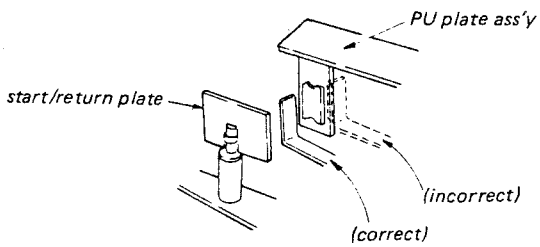
Fig. 4-6

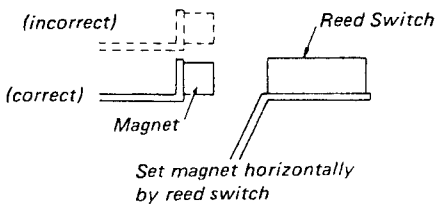
5. TROUBLESHOOTING


Symptom – 1
Symptom – 2
Cause & What to Do
1. Turntable not rotating
1. Turntable not rotating
1. Belt off
2. Broken or stretched belt
3. Loose capstan screw (Capstan racing)
4. Burn out turntable spindle
2. Motor not rotating
5. Loose connection of power cord
6. Defective start switch (Leaf switch)
7. Defective timing motor
2. No sound
8. Cartridge (SC-36) open
9. Loose connection of output cord
10. Improper connection of output cord
11. Defective muting switch
12. Improper operation of amplifier
13. Imperfect contact of tonearm and shell
3. Distorted or weak sound
14. Improper setting of stylus
15. Worn out stylus
16. Dusty stylus
17. Loose pivot of tonarm
18. Improper connection of cartridge leads
19. Poor record cutting
4. Hum
20. Cartridge leads (ground side) open
21. Loose connection of output cord
22. Improper connection of output cord
23. Imperfect contact of muting switch
24. Imperfect contact of tonearm and shell
5. Rumble (Unusual) sound
3. Due to motor
25. Defective motor
26. Shipping bolts not unscrewed
4. Other than motor
27. Defective turntable spindle
28. Dirty capstan
6. Incorrect speed
29. Improper capstan
30. Improper setting of capstan
31. Dirty capstan
32. Stretched belt

Symptom – 1	Symptom – 2	Cause & What to Do
7. Improper tracing		33. Defective tonearm
		34. Dirty stylus
		35. Defective stylus
		36. Improper stylus pressure (too light)
8. Trouble of Auto mechanism	5. Auto mechanism not operative	37. Defective start switch (Leaf switch)
		38. Defective micro switch, SW1
		39. Defective micro switch, SW2
		40. Broken crank lever
		41. Defective timing motor
	6. Trouble of Auto-In	42. Loose adjustment (Refer to 7-3. adjustment of auto mechanism)
		43. Defective Start/Return plate.
		44. Improper setting of selector arm B
	7. Trouble of Auto-return	45. Loose adjustment (Refer to 7-3. adjustment of auto mechanism)
		46. Defective reed switch
		47. Declined magnetic field of magnet
		48. Improper setting of magnet







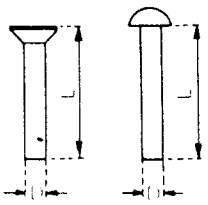
6. EXPLODED VIEW &PARTS LIST

Hardware Nomenclature

	Name	*Abbreviation*	*Type*
SCREW	Pan Head Screw	P	
	Binding Head Screw	B	
	Binding Head Screw (Dog Point)	BD	
	Round Head Screw	R	
	Flat Countersunk Head Screw	F	
	Flat Countersunk Head SEMS Screw (E-Type)	FSE	
	Oval Countersunk Head Screw	O	
	Flat Fillister Screw	FS	
	Binding Head SEMS Screw (A-Type)	BSA	
	Binding Head SEMS Screw (B-Type)	BSB	
	Binding Head SEMS Screw (C-Type)	BSC	
	Pan Head SEMS Screw (B-Type)	PSB	
	Pan Head SEMS Screw (F-Type)	PSF	
	Pan Head Tapping Screw	PT	
	Oval Countersunk Wood Screw	OC	(JIS)
	Flat Countersunk Wood Screw	FC	(JIS)
	Round Head Wood Screw	RH	(JIS)
SETSCREW	Hex Socket Setscrew (Flat Point)	SF	
	Hex Socket Setscrew (Cone Point)	SC	
	Slot Type Setscrew	SS	
WASHER	Retaining Ring (E Washer)	E	
	Plane Washer	P	
	Spring Washer	S	
	Corrugated Washer	C	
	Toothed Lock Washer (Internal)	TLI	
	Toothed Lock Washer (External)	TLE	

< EXAMPLE > FS type Screw, M3 x 6 (BLK)

- Color
- Length in mm (L)
- Diameter in mm (D)
- Type & Name

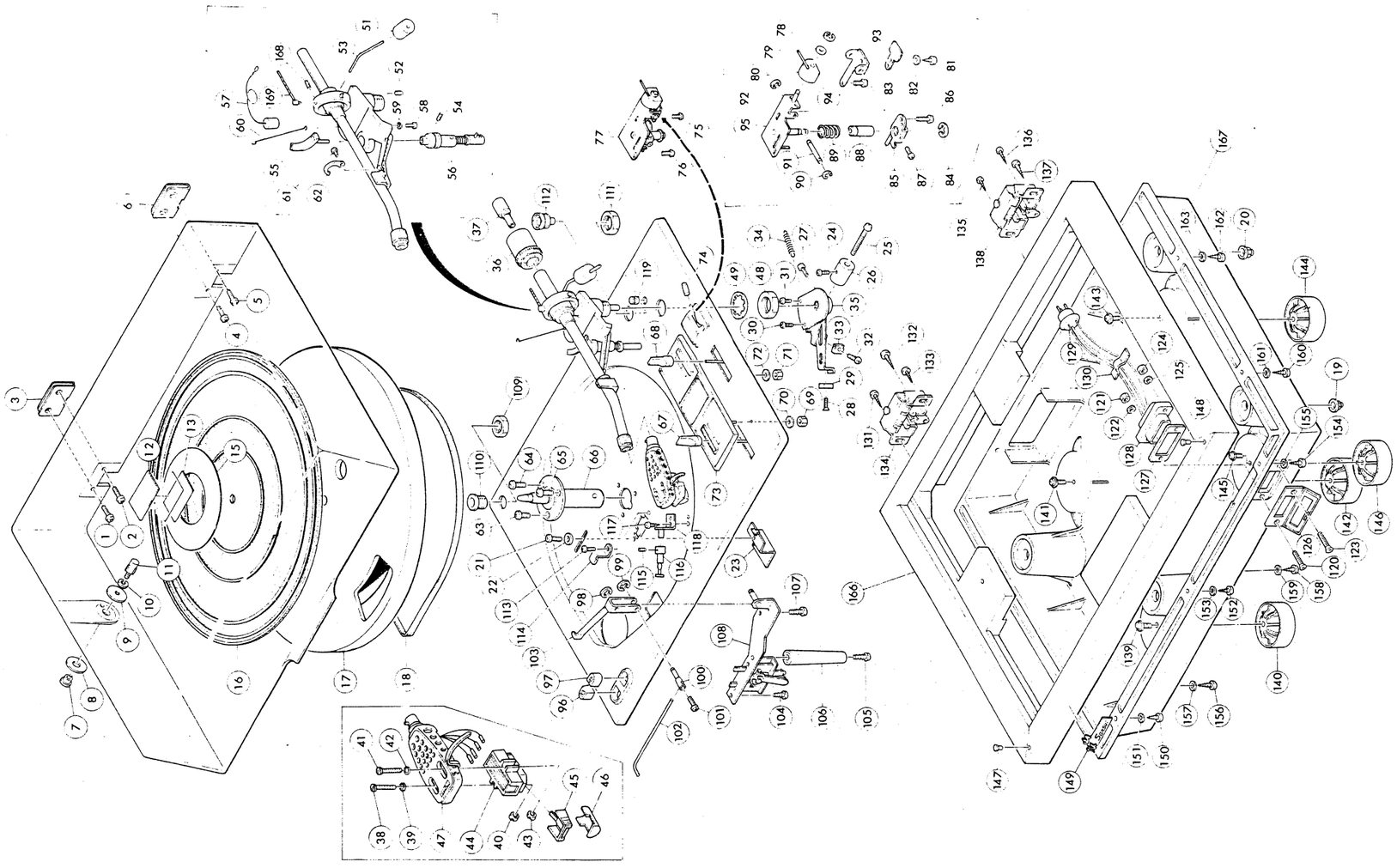


All screws conform to ISO standards, unless otherwise noted.

6-1. Exploded View and parts List (See Fig. 6-1)

Parts No.	Stock No.	Description
1	5101263	B Type Screw, M 4 x 10
2	5101263	B Type Screw, M 4 x 10
3	6922141	Lock Plate A
4	5101263	B Type Screw, M 4 x 10
5	5101263	B Type Screw, M 4 x 10
6	6922141	Lock Plate A
7	5172011	Setscrew
8	5182040	P Type Washer, 5 x 20 x 1
9	5182030	P Type Washer, 3 x 20 x 1
10	5121240	S Type Washer, 3 ϕ
11	5212011	Adaptor Stay
12	5362012	Name Plate, dust cover
13	5362012	Name Plate, dust cover
14	5062101	Dust Cover
15	5392050	Ring, turntable
16	5502112	Rubber Mat, turntable
17	6112010	Turntable
18	6032131	Belt
19	5172140	Self Locking Nut, M 4
20	5172140	Self Locking Nut, M 4
21	5101062	P Type Screw, M 4 x 8
22	5182090	P Type Washer, 4 x 11 x 0.8
23	5222131	Lock Plate B
24	5103025	P Type Screw, M 2.6 x 8
25	5103072	P Type Screw, M 4 x 40
26	6912141	Arm Balancer
27	5103044	P Type Screw, M 3 x 8
28	5106624	F Type Screw, M 2.6 x 8 (Polycarbonate)
29	5992010	Magnet A
30	5162260	BD Type Screw, M 3 x 10 (Dog Point, 2)
31	5162260	BD Type Screw, M 3 x 10 (Dog Point, 2)
32	5162260	B Type Screw, M 2.6 x 4
33	5992031	Magnet B
34	6902330	Spring, PU plate
35	7052320	PU Plate Ass'y
36	6912220	Weight, Main
37	6912250	Weight, Sub
38	5162190	FS Type Screw, M 2.6 x 15 (BLK)
39	5182120	Washer, rigid polyvinyle chloride
40	5172090	Nut, M 2.6
41	5162190	FS Type Screw, M 2.6 x 15 (BLK)
42	5182120	Washer, rigid polyvinyle chloride
43	5172090	Nut, M 2.6
44	4310080	Cartridge (SC-36)
45	4940080	Stylus (SN-36)
46	5062190	Cover, stylus
47	6642050	Shell
48	5172070	Hex. Nut, M 16
49	5182110	TLI Type Washer, 16 ϕ
50	7092140	Tonearm Ass'y
51	6912230	Weight, lateral
52	5105520	SS Type Screw, M 2.6 x 3
53	6622090	Lateral Bar
54	5105520	SS Type Screw, M 2.6 x 3
55	5292140	Guide, tonearm
56	7082100	Arm Lifter
57	6912240	Weight, Bias
58	5103002	P Type Screw, M 2 x 4
59	5121001	S Type Washer, 2 ϕ
60	5252090	I. F. C Stand
61	5103003	P Type Screw, M 2 x 5 (BLK)
62	6412070	Cramp, rest
63	5103562	PT Type Screw, M 4 x 8
64	5103562	PT Type Screw, M 4 x 8
65	5103562	PT Type Screw, M 4 x 8
66	7032062	Spindle Ass'y, turntable
67	5312081	Cap, Cueing Lever
68	5312081	Cap, Selector lever
69	5110341	Hex. Nut, M 3
70	5182050	P Type Washer, 4 x 15 x 1
71	5110341	Hex. Nut, M 3
72	5182050	P Type Washer, 4 x 15 x 1
73	5362240	Control Base
74	5312070	Cap, Manual lifter
75	5103541	PT Type Screw, M 3 x 6
76	5103541	PT Type Screw, M 3 x 6
77		Manual Lifter Ass'y
78	5151002	E Type Ring, 2 ϕ
79	5124080	P Type Washer, 5 x 12 x 0.8 (Fiber)
80	6012171	Manual Lever
81	5103540	PT Type Screw, M 3 x 5
82	5182250	P Type Washer, 3 x 10 x 0.8
83	6902531	Plate Spring A
84	5151005	E Type Ring, 4 ϕ
85	5242262	Climbing Angle
86	5103027	P Type Screw, M 2.6 x 12
87	5103044	P Type Screw, M 3 x 8
88	6442022	Cylinder
89	6902640	Spring, Manual lifter
90	5151002	E Type Ring, 2 ϕ
91	6202251	Shaft, Manual lifter
92	5151002	E Type Ring, 2 ϕ
93	6502403	Seesaw Plate A
94	5103025	P Type Screw, M 2.6 x 8
95	5222092	Bracket, Manual lifter
96	5322020	Push Button A
97	5322010	Push Button B
98	5151004	E Type Ring, 3 ϕ
99	5151005	E Type Ring, 4 ϕ
100	6212040	Adjusting Shaft
101	5103044	P Type Screw, M 3 x 8
102	6532051	Linkage Rod
103	6502491	Guide, belt
104	5103541	PT Type Screw, M 3 x 6
105	5103542	PT Type Screw, M 3 x 8
106	5292050	Pole Protector
107	5103541	PT Type Screw, M 3 x 6
108	7002061	Speed Selector Base Ass'y
109	5172060	Hex. Nut, M 14
110	5252050	Holder, shell
111	5172060	Hex. Nut, M 14
112	5252070	Holder, sub weight
113	5103044	P Type Screw, M 3 x 8
114	5242270	Angle, seesaw switch
115	5105541	SS Type Screw, M 3 x 4
116	6142193	Capstan (50 Hz)
117	5101062	P Type Screw, M 4 x 8
118	5262180	Holder, capstan
119	5062130	Rubber Bushing
120	5102651	F Type Screw, M 3 x 25 (BLK)

Fig. 6–1



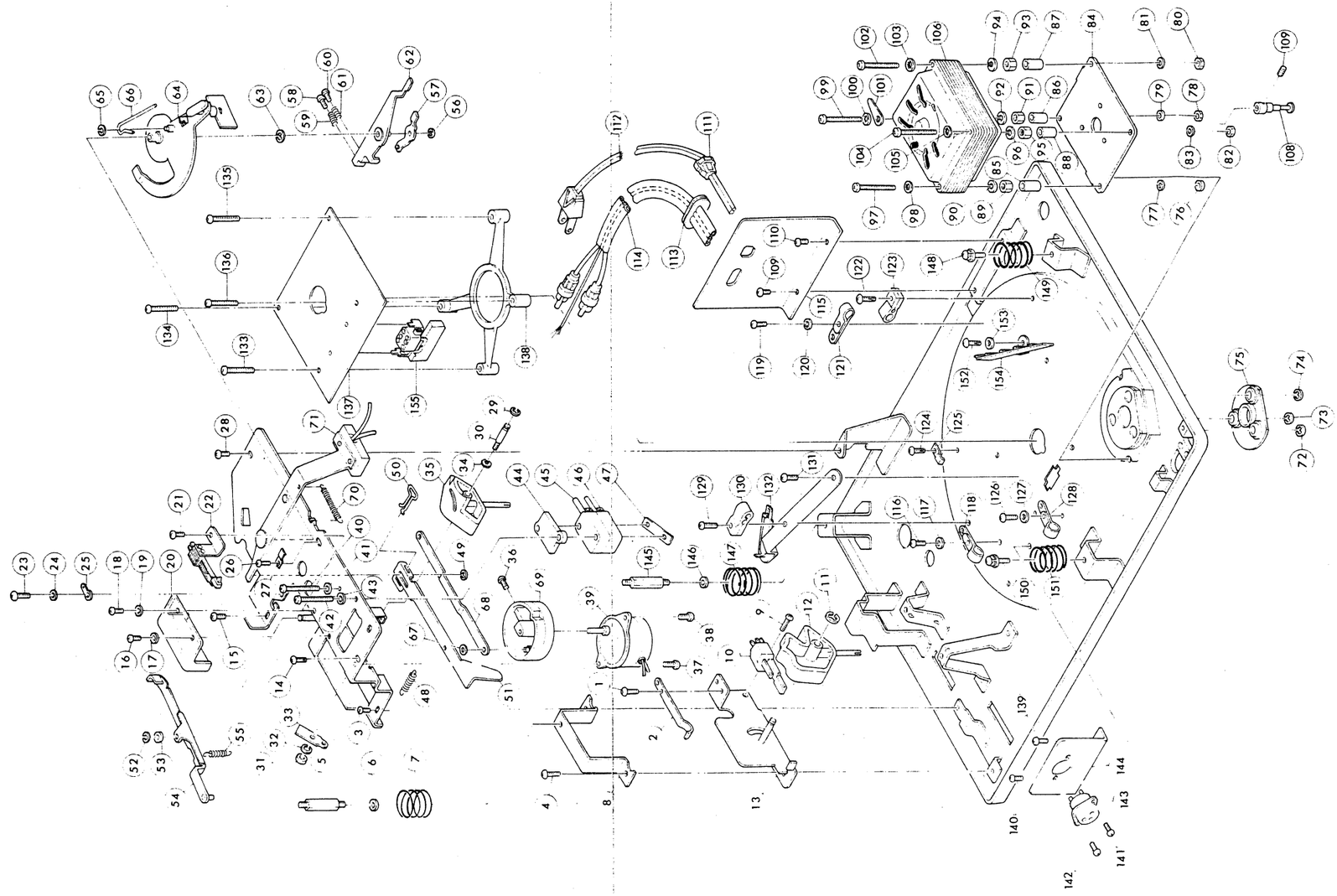
Parts No.	Stock No.	Description
121	5110241	Hex. Nut, M 3
122	5120341	P Type Washer, 3 x 8 x 0.5
123	5102651	F Type Screw, M 3 x 25 (BLK)
124	5110241	Hex. Nut, M 3
125	5120341	P Type Washer, 3 x 8 x 0.5
126	5302051	Cap, remote control socket A
127	5232180	Spacer, socket
128	2410421	Remote Control Socket A
129	3850040	3 P Plug
130	3910430	Press Clip
131	5140027	RH Type Screw, M 3.1 x 16
132	5140027	RH Type Screw, M 3.1 x 16
133	5140027	RH Type Screw, M 3.1 x 16

Parts No.	Stock No.	Description
134	6922131	Auto Hinge
135	5140027	RH Type Screw, M 3.1 x 16
136	5140027	RH Type Screw, M 3.1 x 16
137	5140027	RH Type Screw, M 3.1 x 16
138	6922131	Auto Hinge
139	5101562	PSF Type Screw, M 4 x 8
140	5592010	Insulator
141	5101562	PSF Type Screw, M 4 x 8
142	5592010	Insulator
143	5101562	PSF Type Screw, M 4 x 8
144	5592010	Insulator
145	5101562	PSF Type Screw, M 4 x 8
146	5592010	Insulator

Parts No.	Stock No.	Description
147	5502021	Rubber Cushion
148	5502021	Rubber Cushion
149	5332022	Badge
150	5140027	RH Type Screw, M 3.1 x 6
151	5120341	P Type Washer, 3 ϕ
152	5140027	RH Type Screw, M 3.1 x 16
153	5120341	P Type Washer, 3 ϕ
154	5140027	RH Type Screw, M 3.1 x 16
155	5120341	P Type Washer, 3 ϕ
156	5140027	RH Type Screw, M 3.1 x 16
157	5120341	P Type Washer, 3 ϕ
158	5140027	RH Type Screw, M 3.1 x 16
159	5120341	P Type Washer, 3 ϕ

Parts No.	Stock No.	Description
160	5140027	RH Type Screw, M 3.1 x 16
161	5120341	P Type Washer, 3 ϕ
162	5140027	RH Type Screw, M 3.1 x 16
163	5120341	P Type Washer, 3 ϕ
164	5140027	RH Type Screw, M 3.1 x 16
165	5120341	P Type Washer, 3 ϕ
166	5732230	Cabinet
167	5732163	Bottom Cover
168	5106141	SS Type Screw, M 3 x 4
169	6622110	I.F.C Bar

Fig. 6–2



Parts No.	Stock No.	Description
121	3910210	Cord Cramper A
122	5103545	PT Type Screw, M 3 x 16
123	3910320	Cord Cramper B
124	5103541	PT Type Screw, M 3 x 6
125	5262170	Cord Cramper C
126	5103541	PT Type Screw, M 3 x 6
127	5120341	P Type Washer, 3 ϕ
128	3910210	Cord Cramper A
129	5103545	PT Type Screw, M 3 x 16
130	3910320	Cord Cramper B
131	5103541	PT Type Screw, M 3 x 6
132	7052311	Manual Plate Ass'y

Parts No.	Stock No.	Description
133	5103546	PT Type Screw, M 3 x 20
134	5103546	PT Type Screw, M 3 x 20
135	5103546	PT Type Screw, M 3 x 20
136	5103546	PT Type Screw, M 3 x 20
137	7732040	P. C. Board Ass'y
138	5212120	P. C. Board Stay
139	5103541	PT Type Screw, M 3 x 6
140	5103541	PT Type Screw, M 3 x 6
141	5103541	PT Type Screw, M 3 x 6
142	5103541	PT Type Screw, M 3 x 6
143	2410330	Socket B, remote control
144	5222050	Holder, socket

Parts No.	Stock No.	Description
145	5162270	Screw, spring attachment
146	5120161	P Type Washer, 4 ϕ
147	6902162	Spring, float (YELLOW)
148	5107762	PSB Type Screw, M 4 x 8
149	6902302	Spring float (RED)
150	5107762	PSB Type Screw, M 4 x 8
151	6902292	Spring float (BLUE)
152	5103541	PT Type Screw, M 3 x 6
153	5120161	P Type Washer, 3 ϕ
154	2110020	Terminal 1L 4P
155	1120030	See saw Switch

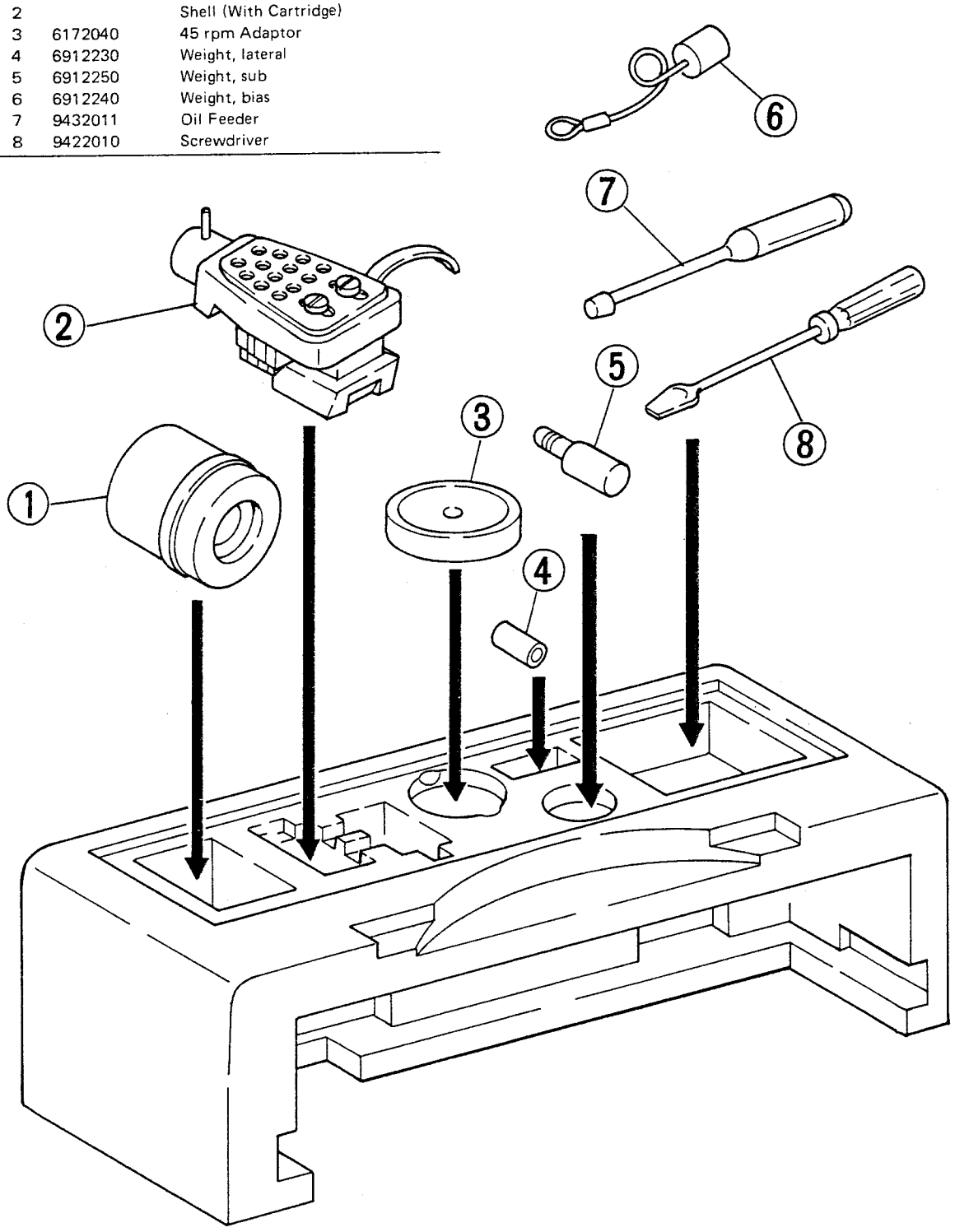
6-2. Exploded View and Parts List (See Fig. 6-2)

Parts No.	Stock No.	Description
1	5103541	PT Type Screw, M 3 x 6
2	6902370	Spring, Start Cam
3	5103542	PT Type Screw, M 3 x 8
4	5103541	PT Type Screw, M 3 x 6
5	5162270	Screw, spring attachment
6	5120161	P Type Washer, 4 ϕ
7	6902580	Spring, float (Green)
8	5212110	Stay, spring
9	5103541	PT Type Screw, M 3 x 6
10	1190130	Start Switch
11	5151006	E Type Ring, 5 ϕ
12	6012090	Cam, cueing lever
13	5262090	Holder, cam
14	5103541	PT Type Screw, M 3 x 6
15	5103541	PT Type Screw, M 3 x 6
16	5103541	PT Type Screw, M 3 x 6
17	5120141	P Type Washer, 3 ϕ
18	5103541	PT Type Screw, M 3 x 6
19	5120141	P Type Washer, 3 ϕ
20	5062124	Cover, switch
21	5103541	PT Type Screw, M 3 x 6
22	1190140	Mute Switch
23	5103541	PT Type Screw, M 3 x 6
24	5162180	Cord Cramper C
25	2120010	Terminal, lug
26	5103541	PT Type Screw, M 3 x 6
27	5262170	Cord Cramper C
28	5103541	PT Type Screw, M 3 x 6
29	5151005	E Type Ring, 4 ϕ
30	6202160	Shaft, selector cam
31	5110361	Hex. Nut, M4
32	5121260	S Type Washer, 3 ϕ
33	6902350	Plate Spring
34	5172120	Circular External Ring, 2 ϕ
35	6012104	Selector Cam
36	5103005	P Type Screw, M 2.6 x 8
37	5103541	PT Type Screw, M 3 x 6
38	5103541	PT Type Screw, M 3 x 6
39	4320160	Timing Motor
40	5103052	P Type Screw, M 3 x 30
41	5121340	S Type Washer, 3 ϕ
42	5103052	P Type Screw, M 3 x 30
43	5121340	S Type Washer, 3 ϕ
44	5622040	Sheet, micro switch
45	1160150	Micro Switch
46	1160150	Micro Switch
47	5242190	Plate Nut
48	6902390	Spring A, tension Plate
49	5151002	E Type Ring, 2 ϕ
50	6902390	Srping B, tension Plate
51	6502292	Tension Plate
52	5151004	E Type Ring, 3 ϕ
53		P Type Washer, (Fiber)
54	7052242	Selector Arm A
55	6902330	Spring, selector Arm A
56	5151004	E Type Ring, 3 ϕ
57	6902500	Special Washer
58	5162210	Special Screw, M 2.6 x 8
59	6902410	Adjusting Spring
60	5162210	Special Screw, M 2.6 x 8

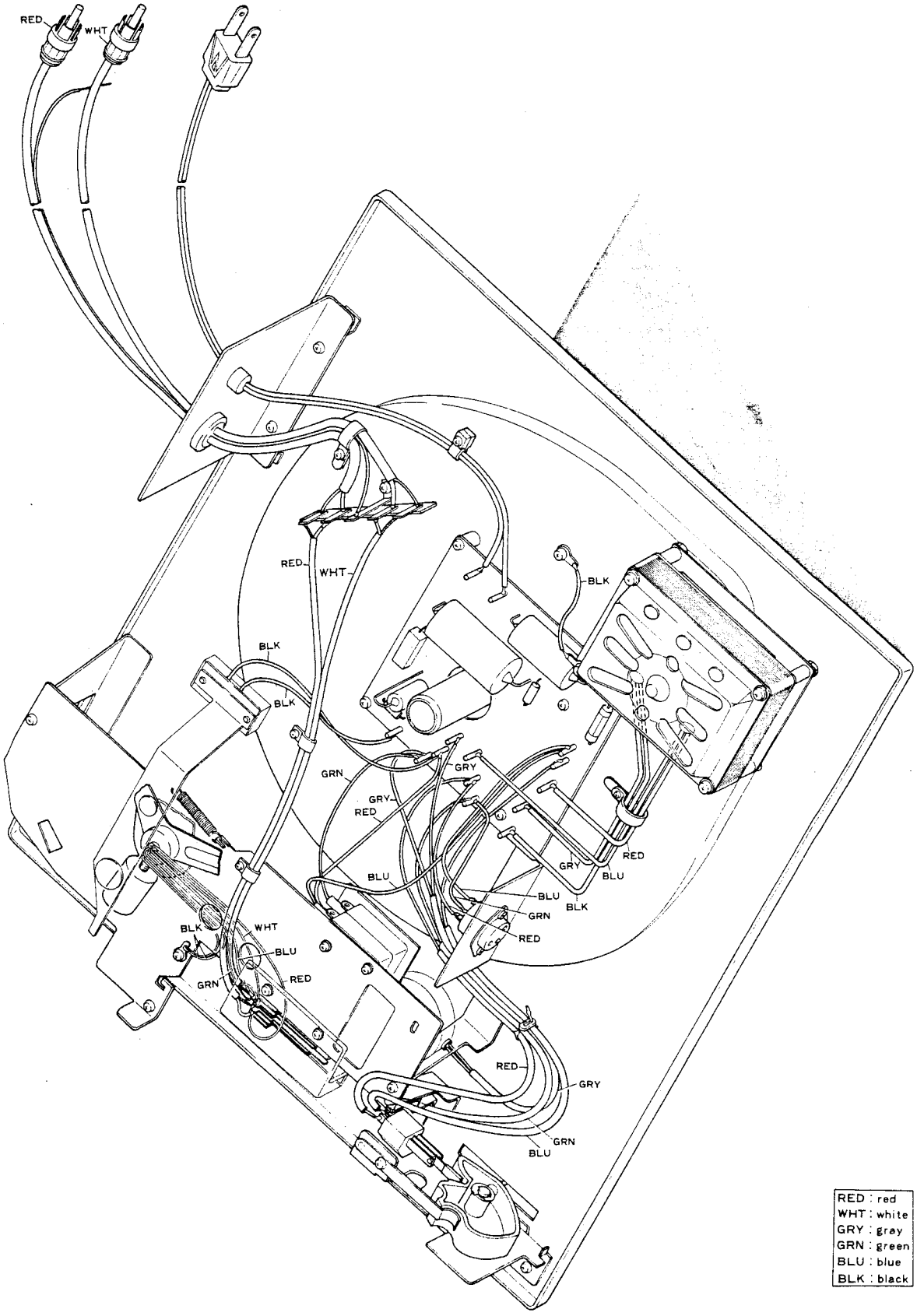
Parts No.	Stock No.	Description
61	6902410	Adjusting Spring
62	6502500	Selector Arm B
63	5151004	E Type Ring, 3 ϕ
64	7062160	Starting Plate Ass'y
65	5151002	E Type Ring, 2 ϕ
66	6902630	Lead-in Spring
67	5172120	Circular External Ring, 2 ϕ
68	6502247	Crank Lever
69	6012190	Starting Cam
70	6902320	Spring, switch arm
71	1190130	Reed Switch
72	5151005	E Type Ring 4 ϕ
73	5151005	E Type Ring, 4 ϕ
74	5151005	E Type Ring, 4 ϕ
75	5502280	Rubber, motor cushion
76	5110361	Hex. Nut, M4
77	5121060	S Type Washer, 4 ϕ
78	5110361	Hex. Nut, M4
79	5121060	S Type Washer, 4 ϕ
80	5110361	Hex. Nut, M4
81	5121060	S Type Washer, 4 ϕ
82	5110361	Hex. Nut, M4
83	5121060	S Type Washer, 4 ϕ
84	5242170	Sheet, motor
85	5232222	Spacer, motor
86	5232222	Spacer, motor
87	5232222	Spacer, motor
88	5232222	Spacer, motor
89	5110361	Hex. Nut, M4
90	5121060	S Type Washer, 4 ϕ
91	5110361	Hex. Nut, M4
92	5121060	S Type Washer, 4 ϕ
93	5110361	Hex. Nut, M4
94	5121060	S Type Washer, 4 ϕ
95	5110361	Hex. Nut, M4
96	5121060	S Type Washer, 4 ϕ
97	5103072	P Type Screw, M 4 x 40
98	5122560	TLI Type Washer, 4 ϕ
99	5103072	P Type Screw, M 4 x 40
100	5122560	TLI Type Washer, 4 ϕ
101	2120000	Terminal
102	5103072	P Type Screw, M 4 x 40
103	5122560	TLI Type Washer, 4 ϕ
104	5103072	P Type Screw, M 4 x 40
105	5122560	TLI Type Washer, 4 ϕ
106	4320200	Motor
107	5105541	SS Type Screw, M 3 x 4
108	6142203	Capstan (60 Hz)
109	5103541	PT Type Screw, M 3 x 6
110	5103541	PT Type Screw, M 3 x 6
111	3910330	Cord Stopper
112	3800170	AC Cord
113	5502340	Rubber Bushing A
114	3810160	Out Put Cord
115	5222103	Holder, cord
116	5103541	PT Type Screw, M 3 x 6
117	5120341	P Type Washer, 3 ϕ
118	3910210	Cord Cramper A
119	5103541	PT Type Screw, M 3 x 6
120	5120341	P Type Washer, 3 ϕ

6-3. Accessories List

Parts No.	Stock No.	Description
1	6912220	Weight, main
2		Shell (With Cartridge)
3	6172040	45 rpm Adaptor
4	6912230	Weight, lateral
5	6912250	Weight, sub
6	6912240	Weight, bias
7	9432011	Oil Feeder
8	9422010	Screwdriver



7. WIRING DIAGRAM



RED : red
WHT : white
GRY : gray
GRN : green
BLU : blue
BLK : black